Project Summary

The project I want to complete is a web system about house renting, which contains two parts: front-end trading system and back-end management system. The system can provide users with a short-term rental demand, and recommend users according to the latest sales leaderboard. Meanwhile, it can also recommend some information of housing re-sources participating in preferential activities, so that users can select according to the types of houses and other functions. Specific functions are as follows:

- 1. Customers can sign up
- 2. Customers can become admin when they publish housing information
 - 3. Customers can bowse the rental listings
 - 4. Customers can browse the latest release of housing information
- 5. Customers can browse the information of preferential rent Admin can add products
 - 6. Customers can view their orders
 - 7. Customers can view the details of the housing information
 - 8. Customers can add their favorite rental information to their favor-

ites

- 9. Customers can view favorites
- 10. Customers can choose how long they want to rent
- 11. Customers can choose to continue browsing or go to checkout
- 12. Customers can view the site's announcement messages
- 13. Admin can query by type of housing source
- 14. Admin can delete their own published property
- 15. Admin can view the listing details
- 16. Admin can choose to set the property as a discount
- 17. Admin can change the price of participating in discount listings
- 18. Admin can add housing information
- 19. Admin can add and delete membership information
- 20. Admin can add and remove background administrators
- 21. Admin can change passwords in the background
- 22. Admin can view all orders
- 23. Admin can modify queries and delete all orders
- 24. Admin can add relevant site information
- 25. Admin can choose to exit the background system

Project Requirements

Number	Requirements/Responsibilities	Description
1	Customers can choose the corresponding housing source category according to their needs.	Some customers may need to choose the corresponding short-term rental housing source, some want to rent for a long time, some like the apartment type, some like the inns type of houses, then customers can first choose a large category into the choice
2	If the client does not know how to choose, he/she may need to know which houses are popular and highly rated by the client	The system will highly recommend the sales volume to users according to the leasing situation
3	For the housing supply providers, it is possible to expand the publicity of some housing information participating in preferential discounts to the greatest extent	For the housing source providers, they want to offer certain discounts for certain housing sources, but it is a thorny problem to improve the publicity scope of housing source information. The system can publish the houses participating in the discount on the home page in the form of announcement
4	The merchants are graded, and the good ones are recommended to users based on the ratings	For customers, it may be a headache to find the most high-quality merchants. A merchant with high trust and high evaluation may also be a very important reference for customers' choice
5	Users can query the latest re- lease of housing information	By displaying the newly released housing information, the housing information can be accessed more efficiently by more people, so that the housing information publishers can communicate with customers online or offline in real time

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6	Businesses can set and modify the information of housing sources in the background, and can choose whether to set cer- tain housing sources as special housing sources to increase vis- its	For the merchants, if some houses remain unsold, it may be because of price and other factors, so they can enter the background to set it as a special house source, modify its rent, so as to get more views and increase the probability of renting
7	Administrators can add members in the background	For some businesses, there may be some long-term customers, so they can be set as members in the background, and some discounts can be offered when they communicate offline
8	The administrator can set the account in the background, add and delete the information of the administrator corresponding to the merchant.	For administrators, can be directly assigned accounts in the background, the roles assigned to the role of administrator, at the same time can log on to the front desk system, the function is mainly used in some of the dealer the relatively large size, you can allocate a few more staff to deal with the background data, and these create administrator role can access to all the merchants' background data, but they have their own account information also can exist as the role of a client, they have a common ID, this ID is the ID of the businessman
9	When the order is completed, the administrator updates the status of the order in the background, and the status of the room is updated simultaneously	The administrator can view the detailed information of the order, and change the corresponding status to be completed for the customer checked in order, then update the status of the room to be unselected at the same time, and the room can be selected by the new customer
10	Merchants can offer restaurants or snacks with local characteris-	For some houses located in scenic areas or some areas with lo-

	to add local restaurants or local
	merchants' featured snacks to at-
	tract customers, so as to improve
	the influence and increase the
	publicity

UI Mockups

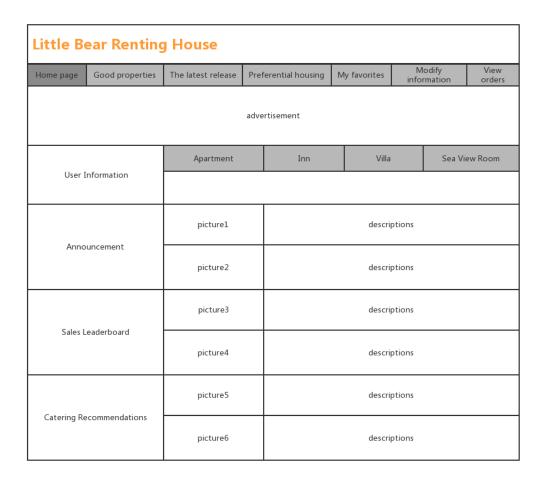


figure 1 Front Page Interface

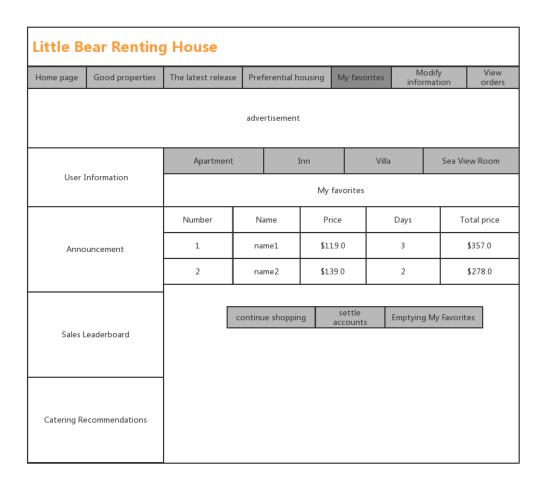
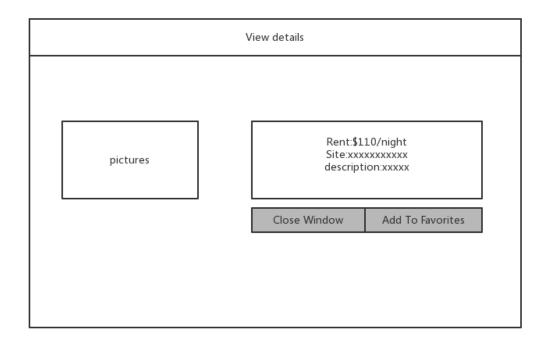


figure 2 My favorites



Little B	Little Bear Renting House										
Home page	Good properties							ne latest release Preferential housing My favorites Modify information		n	View orders
advertisement											
		Apa	rtment		Inn		Villa	а	Se	ea Vie	w Room
User I	nformation					Orde	er View				
		Number	ımber telephone		Name	0	rder Time	Check	: In	Operation	
Anno	uncement	1	1 189564322		Jay		018-10-18 8:00:00.0	yes		C	peration
		Order details inquiry									
		N	umber		House	Name		price			Days
Sales L	.eaderboard	10	934522			Deluxe twin ocean view room		\$234.0			4
Catering Re	ecommendations				•		•				

figure 4 Order Inquiry

Little Bear Renting	j Hous	e					
						Но	using query
Currently logged in: Tom				Today is	Thursday, (October 18	, 2018
Background management			Housing inform	nation query			
House Resource Management	Number	Name	Big Type	Small Type	Bargain	Оре	eration
- House Nessource Management	1	Castle peak inn	Inns	Scenic Spot	yes	Details	Delete
Member Management	2	Deluxe sea view room	Sea View Room	commercial district	no	Details	Delete
Administrator Settings							
Order Management						Ac	ld Housing
Notice Managerment							
Catering Management							
Logging Out							

Little Bear Renting House									
						Но	using query		
Currently logged in: Tom	Today is Thursday, October 18, 2018								
Background management		ı	Member Mar	nagement					
House Resource Management	Number	Name	Pho	ne	Member age	Ор	eration		
- House Resource Management	1	Tom	13432	2345	2	update	Delete		
Member Management	2	Jay	11456	4324	3	update	Delete		
Administrator Settings									
Order Management						А	dd Member		
Notice Managerment									
Catering Management									
Logging Out									

figure 6 Member Management

Little Bear Renting	g Hous	ie				
						Housing query
Currently logged in: Tom				То	day is Thursday, Octob	er 18, 2018
Background management		A	Administrato	r Settings		
House Resource Management	Number	Username	Realna	ame	Operat	tion
	1	admin1	Math	Tom	Delet	te
Member Management	2	admin2	Tyler	Jay	Dele	te
Administrator Settings						
Order Management					A	dd Administrator
Notice Managerment						
Catering Management						
Logging Out						

figure 7 Administrator Settings

Little Bear Renting House									
								Housin	g query
Currently logged in: Tom					Today is 1	Γhursday, Ο	tob	er 18, 20	18
Background management			Order	Man	agement				
House Resource Management	Number	Realname	Check In		Order Time		Ор	eration	
	1	admin1	yes		2018-10-18 12:00:00.0 2018-10-18	Detail	(Check	Delet e
Member Management	2	admin2	no		2018-10-18 12:00:00.0	Detail	(Check	Delet e
Administrator Settings									
Order Management									
Notice Managerment									
Catering Management									
Logging Out									

figure 8 Order Management

Little Bear Renting	g House							
						Housing query		
Currently logged in: Tom				То	day is Thursday, Octol	ber 18, 2018		
Background management	De	tailed Inf	ormation Fo	r Order Nı	umber:1890087323222	2		
House Resource Management	Customer Ac	count : 1	Гот		Customer Name : Ty	ler Tom		
Member Management	Telephone Num	ber : 134	533322	F	ayment Method : ban	nt Method : bank payment		
Administrator Settings	Order Time : 2018	8-10-18	12:00:00		Note Information : I	Nothing		
Order Management			Leas	e details				
Notice Managerment	Property name		Days	Pric		re		
Catering Management	Deluxe sea view 2 room 2				\$234	1.0		
Logging Out	Not Check	[Sum Pric : !	\$468.0		Back		

figure 9 Search Detailed Information For Some Order

Little Bear Renting House										
						Housi	ng query			
Currently logged in: Tom				Today is	Thursday, O	ctober 18, 2	018			
Background management		End	quiry of	notice informat	ion					
House Resource Management	Number	Number Title Publish Time Operation								
Member Management	1	The one-bedroom, one-hall suite is 20 percent off	2018-10-17 15:00:00		Update	Query	delete			
Administrator Settings	2	Warm family suite 2 rooms and 1 living room		18-10-18 5:00:00	Update	Query	delete			
Order Management	3	An oversize 180- square-meter oceanview suite		18-10-19 .5:00:00	Update	Query	delete			
Notice Managerment										
Catering Management										
Logging Out										

figure 10 Notice Managerment

Little Bear Renting	g Hous	ie			
					Housing query
Currently logged in: Tom				Today is Thursday, Oc	tober 18, 2018
Background management			Catering Ma	nagement	
House Resource Management	Number	Catering		Website	Operation
riouse Resource Management	1	Highland barley cakes		www.google.com	Delete
Member Management	2	Natural green tea		www.google.com	Delete
Administrator Settings				-	
Order Management				l	Add Catering
Notice Managerment					
Catering Management					
Logging Out					

figure 11 Catering Management

Class Diagram

